

Vocabulary

Use the vocabulary words and definitions below as a reference for this unit.

boiling point the temperature at which a liquid turns to a gas

carbon dioxide (CO₂) a gas given off when burning takes place

chemical change change in which a new substance is produced

combustion the process of burning a substance

composition the makeup of a substance

freezing point the temperature at which a liquid turns to a solid

gas the form of matter that has no definite shape or volume

law of conservation of energy the law that energy cannot be created or destroyed, only changed from one form to another during a physical or chemical change

law of conservation of mass the law that matter cannot be created or destroyed, only changed from one form to another during a physical or chemical change

Vocabulary

liquid the form of matter that has a definite volume but does not have a definite shape

mass the amount of matter in a substance

matter anything that has both mass and volume

melting point the temperature at which a solid turns to liquid

molecule two or more atoms that have a bond of shared electrons

phase one of the states of matter of a substance (H₂O occurs in three phases: ice, liquid water, and water vapor.)

physical change any change in the form or phase of matter; no new substances are formed

pressure the force placed on an object

solid the form of matter that has a definite shape and volume

Vocabulary

substance any material or matter

volume the amount of space that matter takes
up